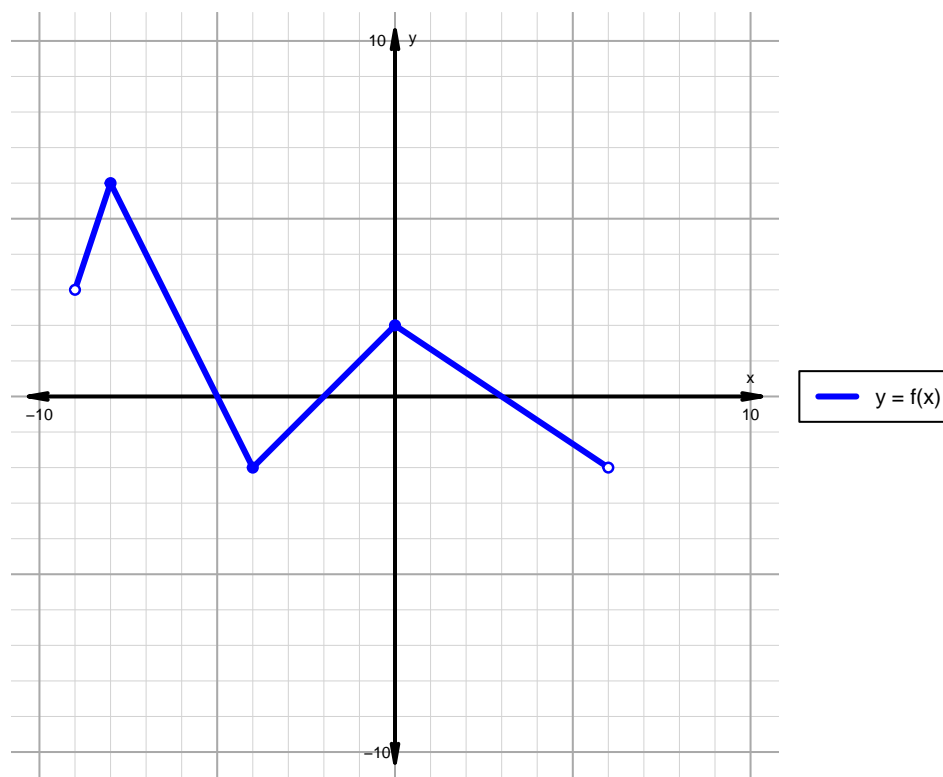


Name: _____

Date: _____

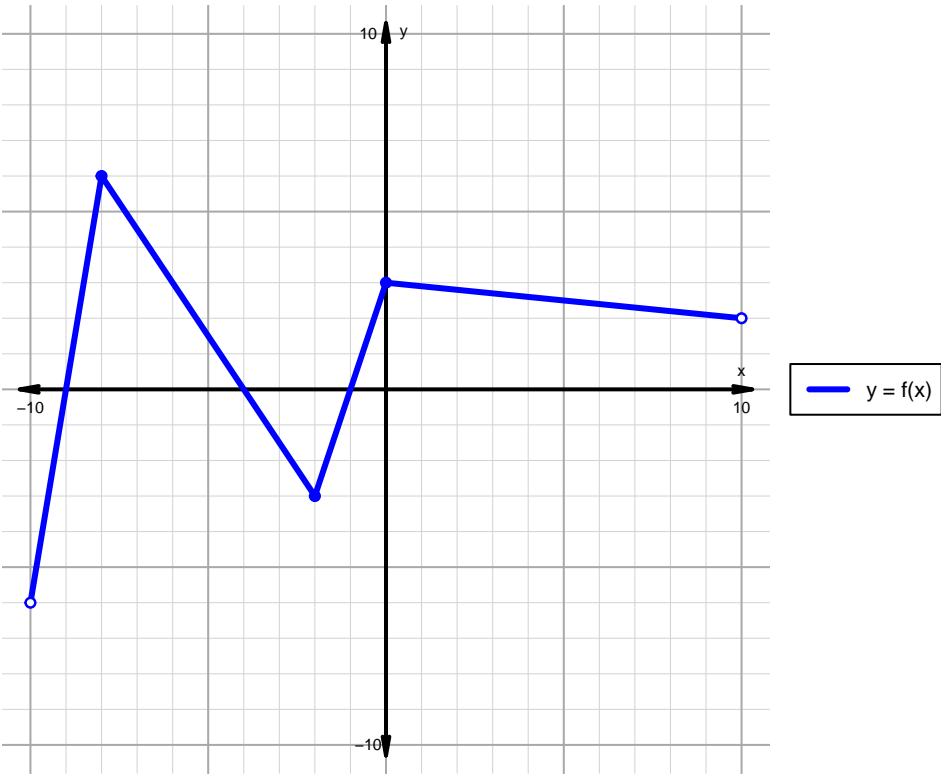
Function-Feature Intervals (version 10)1. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use \cup between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

| Feature | Where |
|------------|-------------------------|
| Positive | $(-9, -5) \cup (-2, 3)$ |
| Negative | $(-5, -2) \cup (3, 6)$ |
| Increasing | $(-9, -8) \cup (-4, 0)$ |
| Decreasing | $(-8, -4) \cup (0, 6)$ |
| Domain | $(-9, 6)$ |
| Range | $(-2, 6)$ |

Function-Feature Intervals (version 10)

2. The function f is graphed below.



Indicate the following intervals using interval notation. Remember, you can use \cup between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

| Feature | Where |
|------------|---------------------------|
| Positive | $(-9, -4) \cup (-1, 10)$ |
| Negative | $(-10, -9) \cup (-4, -1)$ |
| Increasing | $(-10, -8) \cup (-2, 0)$ |
| Decreasing | $(-8, -2) \cup (0, 10)$ |
| Domain | $(-10, 10)$ |
| Range | $(-6, 6)$ |